



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/729,083	12/04/2003	Woo Seong Yoon	1630-0410PUS1	8790

2292 7590 05/13/2010
BIRCH STEWART KOLASCH & BIRCH
PO BOX 747
FALLS CHURCH, VA 22040-0747

EXAMINER

DANG, HUNG Q

ART UNIT	PAPER NUMBER
----------	--------------

2621

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

05/13/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No. 10/729,083	Applicant(s) YOON ET AL.	
	Examiner Hung Q. Dang	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-8 and 10-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-8 and 10-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 03/01/2010 has been entered.

Response to Arguments

Applicant's arguments filed 02/01/2010 have been fully considered but they are not persuasive.

On pages 7-8, Applicant argues that Briscoe does not disclose attribute information indicating an aspect ratio.

In response, Examiner respectfully disagrees. The aspect ratio can be fully represented either by length values of width and height or by their respectively reduced numbers. For example, if the width and height of an image are given, there is no need to provide duplicate information on ratio of width and height or ratio of height and width because these pieces of information are definitely known and determined.

In other words, given the dimension of the image, the aspect ratio of the image is automatically given although the reverse is not true, that is, given the aspect ratio, it is not necessary that the dimensions are also given unless the ratio is not reduced.

In this case, since the claim recites an aspect ratio, Briscoe teaches full dimensions of the image, its aspect ratio is also taught.

Therefore, Applicant's arguments are not persuasive.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 4-8, and 10-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lamkin et al. (US 2002/0078144 – hereinafter Lamkin) and Briscoe et al. (US Patent 7,216,149 – hereinafter Briscoe).

Regarding claim 1, Lamkin discloses a method of reproducing auxiliary contents data in a reproducing apparatus ([0065]; [0068]; [0071]; [0094]), comprising: receiving a playback control information for the auxiliary contents data for audio/video (A/V) data from an external server ([0095]; [0099]; [0104]; [0182] – *wherein the HTML pages and/or JavaScript scripts are interpreted as the playback control information - at least the graphics and/or pictures defined in the HTML pages are interpreted as auxiliary contents data as further described in [0062]; [0094]; [0163]; [0173]; [0178]; [0205]; Figs. 9-10*); checking attribute information to determine a presentation method for the auxiliary contents data ([0095]; [0129]; [0139]; [0152]); and presenting the auxiliary contents data according to the determined presentation method ([0095]; [0152]),

Art Unit: 2621

wherein the presenting step outputs the auxiliary contents data in conjunction with the A/V data reproduced from the recording medium ([0095]; [0099]; [0152]).

However, Lamkin does not explicitly disclose the playback control information including an address information for indicating a location of the auxiliary contents data and attribute information for indicating image types and an aspect ratio for the auxiliary contents data, an image type for indicating whether the images for presenting the auxiliary contents data are square or not, and the aspect ratio for indicating whether the aspect ratio of the images for presenting the auxiliary contents data is either 4:3 or 16:9; and storing the playback control information in one region among at least two logically divided regions of a buffer memory, wherein the presenting step outputs the auxiliary contents data using the image type and aspect ratio included in the playback control information.

Briscoe discloses playback control information including an address information for indicating a location of the auxiliary contents data and attribute information for indicating image types and an aspect ratio for the auxiliary contents data (*Fig. 2; column 7, lines 39-50 – wherein the SRC attributes gives the address information of the auxiliary contents data, which is an image – also either the IMG tag or the file extension, which is a GIF image in this case, gives the image type – the values of WIDTH and HEIGHT attributes give an aspect ratio for the auxiliary contents data*), an image type for indicating whether the images for presenting the auxiliary contents data are square or not (*Fig. 2; column 7, lines 39-50 – whether the images are square or not is indicated by the values of attributes WIDTH and HEIGHT*), and the aspect ratio for indicating

Art Unit: 2621

whether the aspect ratio of the images for presenting the auxiliary contents data is either 4:3 or 16:9 (*Fig. 2; column 7, lines 39-50 – whether the images are either 4:3 or 16:9 is indicated by the values of attributes WIDTH and HEIGHT*), and storing the playback control information in one region among at least two logically divided regions of a buffer memory (*column 4, lines 46-55 – wherein the logically divided regions are set by users to configure an amount of space devoted to buffering*), wherein the presenting step outputs the auxiliary contents data using the image type and aspect ratio included in the playback control information (*Fig. 2; column 7, lines 39-50 – wherein the aspect ratio of the image is given by the values of attributes WIDTH and HEIGHT*).

One of ordinary skill in the art at the time the invention was made would have been motivated to incorporate the teachings of Briscoe into the method disclosed by Lamkin in order to define attribute information so as to be compliant and compatible with existing HTML standard. Also, the incorporated feature of buffering data would provide users with fast data access over the network.

Regarding claim 4, Lamkin also discloses the playback control information is further pre-recorded on the interactive recording medium, and wherein the receiving step comprises receiving the playback control information from the recording medium ([0094]-[0095]; [0099]; [0104]; [0129]; [0139]).

Regarding claim 5, Lamkin also discloses the auxiliary contents data is organized into one or more files ([0152]; [0154]; [0160]; [0163]; [0164]; [0173]; [0175]; [0178]).

Regarding claim 6, Lamkin and Briscoe also disclose the attribute information is included in the names of the files containing the auxiliary contents data (*Lamkin: [0152];*

Art Unit: 2621

[0154]; [0160]; [0163]; [0164]; [0173]; [0175]; [0178] – at least “html” extension corresponds to the “attribute information”. Briscoe: Fig. 2; column 7, lines 39-50 – wherein the file extension GIF is also interpreted as attribute information).

Regarding claim 7, Lamkin also discloses the attribute information is included in meta tag information in the header area of the files containing the auxiliary contents data ([0152]).

Regarding claim 8, Briscoe also discloses Briscoe et al. disclose the attribute information is included in tag information arbitrarily positioned within the HTML files containing the auxiliary contents data as image tag information (*Fig. 2; column 7, lines 39-50*).

Regarding claim 10, see the teachings of Lamkin and Briscoe as discussed in claim 1 above. However, Lamkin and Briscoe do not explicitly disclose presenting the auxiliary contents data as square images if the image types indicate the images are square.

Official Notice is taken that the contents designers can design to present a square image by setting the respective values of WIDTH and HEIGHT attributes to indicate a square aspect ratio to a browser according to their intentions.

Regarding claim 11, see the teachings of Lamkin and Briscoe as discussed in claim 1 above. However, Lamkin and Briscoe do not explicitly presenting the auxiliary contents data as 4:3 or 16:9 according to the aspect ratio.

Official Notice is taken that the contents designers can design to present a 4:3 or 16:9 image by setting the respective values of WIDTH and HEIGHT attributes to indicate a 4:3 or 16:9 aspect ratio to a browser according to their intentions.

Regarding claim 12, Lamkin and Briscoe also disclose receiving step includes receiving the auxiliary contents data from the recording medium or the external server, and wherein the storing step includes storing the auxiliary contents data from the recording medium or the external server into the buffer memory (*Lamkin: [0104]. Briscoe: column 4, lines 46-55; column 9, lines 30-36*).

Regarding claim 13, Lamkin also discloses wherein the determining and presenting step outputs the auxiliary contents data in conjunction with the A/V data reproduced from the interactive recording medium (*[0068]; [0099]; [0104]*).

Claim 14 is rejected for the same reason as discussed in claim 1 above and in view of Briscoe further disclosing the buffer memory is configured to store the auxiliary contents data received from a receiving unit according to a control of the controller (*column 4, lines 46-55; column 9, lines 30-36*).

Claim 15 is rejected for the same reason as discussed in claim 4 above.

Claim 16 is rejected for the same reason as discussed in claim 5 above.

Claim 17 is rejected for the same reason as discussed in claim 6 above.

Claim 18 is rejected for the same reason as discussed in claim 7 above.

Claim 19 is rejected for the same reason as discussed in claim 8 above.

Claim 20 is rejected for the same reason as discussed in claim 10 above.

Claim 21 is rejected for the same reason as discussed in claim 11 above.

Art Unit: 2621

Claim 22 is rejected for the same reason as discussed in claim 12 above.

Claim 23 is rejected for the same reason as discussed in claim 13 above.

Regarding claim 24, Briscoe also discloses the playback control information is provided all at once (*column 4, lines 46-55; column 9, lines 30-36 – wherein the playback control information is interpreted as having unit of a complete HTML page*), and wherein the receiving step includes receiving the playback control information at once (*column 4, lines 46-55; column 9, lines 30-36 – wherein the playback control information is interpreted as comprising control information defined in a complete HTML page*).

Regarding claim 25, Briscoe also discloses the playback control information is divided into a plurality of pieces and provided one by one when needed, and wherein the receiving step includes receiving the playback control information one by one (*column 4, lines 46-55; column 9, lines 30-36 – wherein the playback control information is interpreted as comprising control information defined in at least two separate complete HTML pages – therefore, each HTML page is received only when needed, e.g. upon clicking on a hypertext link to request the page*).

Claim 26 is rejected for the same reason as discussed in claim 24 above.

Claim 27 is rejected for the same reason as discussed in claim 25 above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung Q. Dang whose telephone number is (571)270-1116. The examiner can normally be reached on IFT.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THAI Q. TRAN can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hung Q Dang/
Examiner, Art Unit 2621

/Thai Tran/
Supervisory Patent Examiner, Art Unit 2621